

channel 15 communicates with the pipette 18 at a lower end of the cylinder 12, and the channel 17 communicates with an outlet port of the valve 30 at an upper side face of the cylinder 12. In this embodiment, the cylinder 12 and the pipette 18 are integrally formed of a stainless steel. Alternatively, the cylinder 12 and the pipette 18 may be formed as separate members which are directly connected to each other without the intervention of a flexible member. Where the cylinder 12 is formed of a resin and the pipette 18 is formed of a stainless steel, for example, the cylinder 12 and the pipette 18 may be bonded to each other with an adhesive or the like.--

IN THE CLAIMS:

The claims have been amended as follows.

1. (Amended) A liquid sampler comprising:

aⁿ a metering pump including a cylinder¹² having openings and a cavity, a piston¹⁷ inserted in the cavity, and a driving source¹⁵ for moving the piston; and a pipette¹⁸ directly connected to one of the openings of the cylinder.

Syringe

a⁴ 5. (Amended) A liquid sampler as set forth in claim 1, wherein the pipette is a disposable pipette connected to the opening in a detachable manner.

11. (Amended) An analyzer comprising:

a⁵ a liquid sampler which comprises a metering pump including a cylinder having openings and a cavity, a piston in the cavity, a driving source for